

**Town of Discovery Bay, CA
Water & Wastewater**

MONTHLY OPERATIONS REPORT

May, June & July 2020

3958 Days of Safe Operations

193,576 worked hours without a recordable incident

TRAINING:

- **Safety**
 - **Confine space entry team**
 - **Walking working surfaces**
 - **Cocid-19**

- **Operation**
 - **None**

REPORTS SUBMITTED TO REGULATORY AGENCIES:

- **Monthly Discharge Monitoring Report (DMR)**
- **Monthly electronic State Monitoring Report (eSMR)**
- **Monthly Coliform Report, State Water Board (DDW)**
- **Progress report on the UV system (RWB)**
- **Annual Mercury pollution prevention plan (RWB)**

WATER SERVICES

Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

2020 Monthly Water Production Table (MG):

January	February	March	April	May	June
40	53	61	68	113	124
July	August	September	October	November	December

12-month Period	July	August	September	October	November	December	January	February	March	April	May	June	
6/2020 - 7/2019	124.6354	125.4733	108.5316	95.0081	74.7593	59.1152	40.2384	52.4520	60.8017	69.7434	113.1264	124.8527	MG
6/2019 - 7/2018	119.4616	112.1166	96.1299	78.7149	61.7735	39.1182	36.7684	36.6601	40.5191	62.7594	92.2062	111.3271	MG
6/2018 - 7/2017	126.6398	121.6245	103.4590	86.6261	48.4260	47.4349	40.5578	46.4239	40.9666	52.9389	92.6442	107.4430	MG

Bacteriological Test Results:

- All well were Bacti with a total of **12 samples with all absent**

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 104	• 0	• 0	• 0	• 0

WASTEWATER SERVICE

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>April Lab Data</i>	<i>May Lab Data</i>	<i>June Lab Data</i>
Flow, MG Effluent, monthly total	T	34	35	33
Flow, MG Daily Influent Flow, avg.	N/A	1.4	1.4	1.3
Flow, MG Daily Discharge Flow, avg.	2.35	1.0	1.0	1.0
Effluent BOD ₅ , mg/L, monthly avg.	10	1.8	1.4	1.0
Effluent TSS, mg/L, monthly avg.	10	2.0	0.9	0.6
Total Coli form 7 day Median Max	23	ND	ND	920
Total Coli form Daily Maximum	240	23	0	1600
Eff NTU, Daily avg.	2	1	1	1
Eff Ammonia (N), mg/L, Daily Max	8.4	0.09	0.09	0.11
% Removal BOD ₅ , monthly avg.	85% min.	99.5%	99.4%	99.6
% Removal, TSS, monthly avg.	85% min.	99.4%	99.6%	99.7
Electrical Conductivity, umhos/cm annual avg.	2400	2290	2430	2450

Wastewater Laboratory Analysis

* New permit limits took effect in Feb 2020

National Pollution Discharge Elimination System (NPDES):

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 0	• N/A	• N/A	• N/A

COLLECTION

Lift Station Status:

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
• 15	• 0	• 0	• 46

Performed weekly lift station inspections

Sewer System:

- Continue collection sanitary sewer line assessment
- Flushed/CCTV will be performed after assessment
- Manhole & covers are inspected during assessment.
- “J” lift station with one pump

MAINTENANCE

Preventive and Corrective:

April

		Totals	Preventative	Corrective	P/C Ratio
KPI # 1: % (P) Work Order Count Out of Total Closed Last 30 Days 03/30/2020 thru 04/29/2020	Count	216	214	2	99.1%
	Skipped	0			
KPI # 2: % (P) Work Order Hours Out of Total Closed Last 30 Days 03/30/2020 thru 04/29/2020	Hours	171.09	168	3	98.2%

May

		Totals	Preventative	Corrective	P/C Ratio
KPI # 1: % (P) Work Order Count Out of Total Closed Last 30 Days 04/29/2020 thru 05/29/2020	Count	241	240	1	99.6%
	Skipped	0			
KPI # 2: % (P) Work Order Hours Out of Total Closed Last 30 Days 04/29/2020 thru 05/29/2020	Hours	200.45	196	4	98.0%

June

				Totals	Preventative	Corrective	P/C Ratio	
KPI # 1: % (P) Work Order Count Out of Total Closed Last 30 Days				Count	273	268	5	98.2%
05/27/2020	thru	06/26/2020	Skipped	0				
				Totals	Preventative	Corrective	Hr.s P/C Ratio	
KPI # 2: % (P) Work Order Hours Out of Total Closed Last 30 Days				Hours	262.19	258	4	98.5%
05/27/2020	thru	06/26/2020						

Call & Emergency Response

Call Outs	Emergencies
16 total 3 month	0
Regular Hours	Overtime
3310.5 total 3 month	98 total 3 months

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT